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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/764,122

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Robert O'Farrell

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EXAMINER

NGUYEN, TU X

ART UNIT

PAPER NUMBER

2618

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/764,122

Applicant(s)

O'FARRELL ET AL.

Examiner

Tu X. Nguyen

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 and 19-21 is/are pending in the application.
- 4a) Of the above claim(s) 18 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-13 and 15-17 is/are rejected.
- 7) ☒ Claim(s) 7, 14 and 19-21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6, 8-13 and 15-17, are rejected under 35 U.S.C. 102(b) as being anticipated by Rabbers et al. (20070016695).

Regarding claim 1, Rabbers et al. disclose a method of synchronizing data that is maintained at a mobile client and is shared with multiple enterprise data sources, the method comprising:

receiving a request from the mobile client for synchronization of data records maintained at the mobile client with corresponding data records at the enterprise data sources, wherein the client request is received at an application server and includes metadata that identifies enterprise data sources for the requested data records and that specifies a relational correspondence between the requested data (see par.005);

comparing the mobile client data records and the corresponding data records of the enterprise data sources to identify any data conflicts between the two sets of data records; resolving any identified data conflicts (see par.059); and

updating the mobile client data records in accordance with the relational correspondence specified by the metadata, and updating corresponding data records at the

application server in accordance with the metadata relational data correspondence (see par.070).

Regarding claims 2, 9 and 16, Rabbers et al. disclose received synchronization request includes an Upload operation request for data changes from the mobile client to the application server and a Get Latest operation request for data changes from the application server intended for the mobile client (see par.046).

Regarding claims 3, 10 and 17, Rabbers et al. disclose Upload operation includes receiving metadata that determines a corresponding enterprise data source to which the upload data records should be sent (see par.005).

Regarding claims 4 and 11, Rabbers et al. disclose including applying conflict detection and resolution rules to determine if the upload data from the mobile client should be stored in the corresponding enterprise data source or if the upload data should be refused (see par.059).

Regarding claims 5 and 12, Rabbers et al. disclose the identification of any data conflicts includes a conflict detection operation and a conflict determination operation (see par.059).

Regarding claims 6 and 13, Rabbers et al. disclose resolving data conflicts comprises resolving any conflicts according to either a First Update processing, a Last Update processing, or an Administrative processing (see par.059).

Regarding claim 8, Rabbers et al. disclose an application server that facilitates synchronizing data that is maintained at a mobile client and is shared with multiple enterprise data sources, the application server comprising:

a data manager that receives a request from the mobile client for synchronization of data records maintained at the mobile client with corresponding data records at the enterprise data sources, wherein the client request includes metadata that identifies enterprise data sources for the requested data records and that specifies a relational correspondence between the requested data (see par.005), comparing the mobile client data records and the corresponding data records of the enterprise data sources to identify any data conflicts between the two sets of data records, resolving any identified data conflicts (see par.059), and updating the mobile client data records in accordance with the relational correspondence specified by the metadata, and updating corresponding data records at the application server in accordance with the metadata relational data correspondence (see par.070); and one or more connectors (see par.0078) that retrieve the corresponding data records from the enterprise data sources and convert the retrieved data into a relational format that defines the retrieved data from the enterprise data sources, in accordance with the metadata contained in the received request, and that return the converted data to a relational data store on the mobile client (see par.061).

Regarding claim 15, Rabbers et al. disclose a mobile client that processes data from multiple enterprise data sources (see par.005) over a mobile network (see par.042), the mobile client comprising: an application that performs data processing functions and generates requests for data; a data manager that receives data requests from an application server and generates client data requests including metadata that specifies enterprise data to be retrieved and specifies the enterprise data sources from which the data is to be retrieved, wherein the data manager transmits the client data requests over the mobile network, and

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generates requests for synchronization of data records maintained at the mobile client with corresponding data records at the enterprise data sources, wherein the synchronization requests include metadata that identifies enterprise data sources for the requested data records and that specifies a relational correspondence between the requested data (see par.005), comparing the mobile client data records and the corresponding data records of the enterprise data sources to identify any data conflicts between the two sets of data records, resolving any identified data conflicts, and updating the mobile client data records in accordance with the relational correspondence specified by the metadata, and updating corresponding data records at the application server in accordance with the metadata relational data correspondence (see par.059, 070); and one or more connectors that retrieve the corresponding data records from the enterprise data sources and convert the retrieved data into a relational format that defines the retrieved data from the enterprise data sources, in accordance with the metadata contained in the received request, and that return the converted data to a relational data store on the mobile client (see par.61).

Allowable Subject Matter

Claims 7, 14 and 19-21, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance:

Regarding claims 7, 14 and 21, the prior art fails to teach "the metadata for the data records specifies conflict detection and resolution parameters that resolve data conflicts between the mobile client and multiple back end enterprise data sources".

Regarding claim 19, the prior art fails to teach "wherein the metadata from the mobile client specifies how the application server is to resolve data conflicts".

Regarding claim 20, the prior art fails to teach "wherein the metadata from the mobile client specifies how the application server is to resolve any conflicts, according to either a First Update processing, a Last Update processing, or an Administrative processing".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu Nguyen whose telephone number is 571-272-7883.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


September 14, 2007